APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

The Use of High Frequency Heating in the Proeuction of Glass-Plastic Tubes, by I G. Fedorova, T. A. Shelina, N. L. Britsyn, 7pp.

RUSSIAN, per, Plasticheskiye Massy, 1961, No 1, pp 35-37.

OTS 63-24337
RAE Tr 970

181,301

Sci - Engr

Jan 62

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

R-847

The Nature of the Strength of Polymers, by Bartenev and Gul

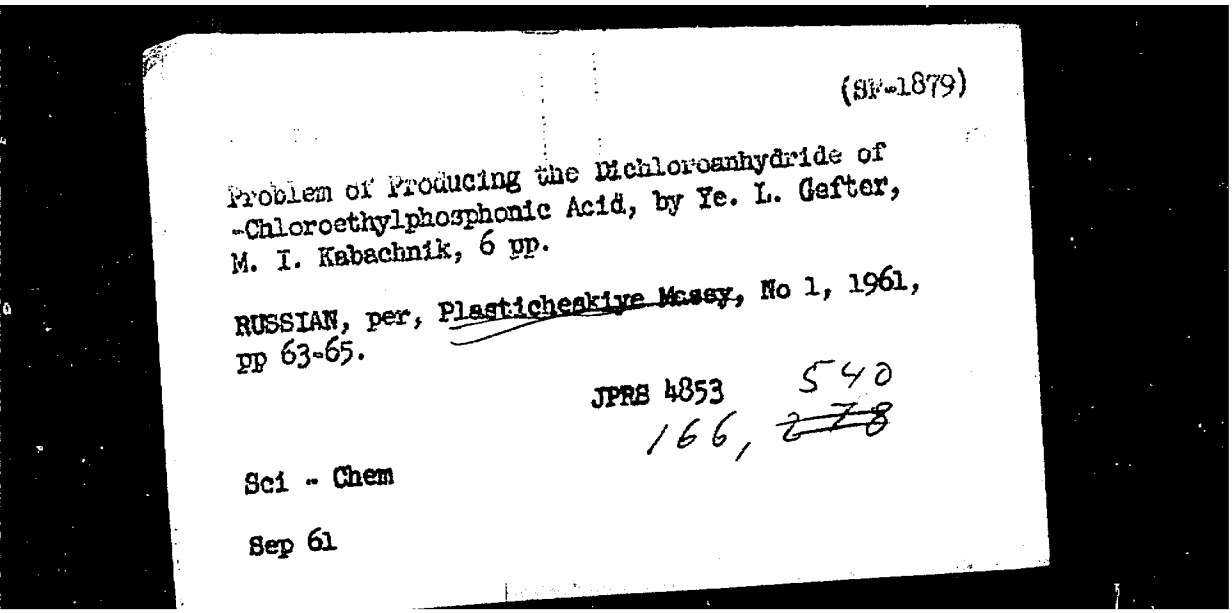
RUSSIAN, per, Plasticheskiye Massy, No 1, 61, p 54-58

*JPRS/Picatinny Arsenal

Mar 62

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



(SP-1879)

Problem of Producing the Dichloroanhydride of -Chloroethylphosphonic Acid, by Ye. L. Gefter, M. I. Kabachnik, 6 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1961, pp 63-65.

JPRS 4853 540
166, ~~278~~

Sci - Chem

Sep 61

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

(SF-1879)

Use of Granulated Wastes From the Chemical Industry for Combatting Weeds, by V. P. Batyuk, M. Ya. Paliyen[illegible] V. P. Akkerman, 4 pp.

RUSSIAN, per, Plasticheskiye Massy, No 2, 1961, pp 1-2.

JPRS 10795

Sci - Chem

Nov 61

174,232

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Khloplyankina, M. S., Neiman, M. B., and Moiseev, V. D.
THERMAL DEGRADATION OF POLYMERS. II. COMPARATIVE INVESTIGATION OF GASEOUS OLEFINS RESULTING FROM THE DEGRADATION OF POLYPROPYLENE AND POLYETHYLENE. [23 [23 Apr 63] [15]p. (foreign text included) 17 refs. Order from OTS or SLA $1.60 63-18362

Trans. of Plasticheskie Massy (USSR) 1961, no. 2, p. 9-12.

DESCRIPTORS: *Polyethylene plastics, Propenes, Pyrolysis, Degradation, Gases, Ethylene derivatives, Chromatographic analysis, Polarographic analysis, *Ozonides, Molecular structure, Molecular isomerism.

A method was developed for the study of the structure of microquantities of gaseous olefins including their (Materials--Plastics, TT, v. 10, no. 11) (over)

63-18362

1. Title: Polypropylene
I. Khloplyankina, M. S.
II. Neiman, M. B.
III. Moiseev, V. D.
IV. Title: Comparative ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Danyushevskii, A. S.
RETARDATION OF THE DECOMPOSITION OF POLYVINYL CHLORIDE BY STABILIZERS-ACCEPTORS OF HYDROGEN CHLORIDE. [1962] 7p.
Order from K-H $8.75 K-H 12166

Trans. of Plasticheskie Massy (USSR) 1961, no. 3, p. 35-36.

DESCRIPTORS: *Polyvinyl chloride, Decomposition, Inhibition, *Hydrogen compounds, *Chlorides, Stability.

(Materials--Plastics, TT, v. 9, no. 11)

63-12962

I. Danyushevskii, A. S.
II. K-H-12166
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Zhivuchin, S. M. and Tolstoguzov, V. B.
CHEMICAL PROPERTIES OF PHOSPHONITRILE CHLORIDES (Fosfonitrilkhlorid, Ego Poluchenie, Svoistva i Primenenie). Rept. no. 2 of Phosphonitrile Chloride, Its Preparation, Properties and Application. [1961] 11p. 54 refs.
Order from OTS or SLA $1.60 62-10607

Trans. of Plast[icheskie] Massy (USSR) 1961, no. 4, p. 14-17.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides, Chemical properties, Hydrolysis.

(Chemistry--Physical, TT, v. 9, no. 11)

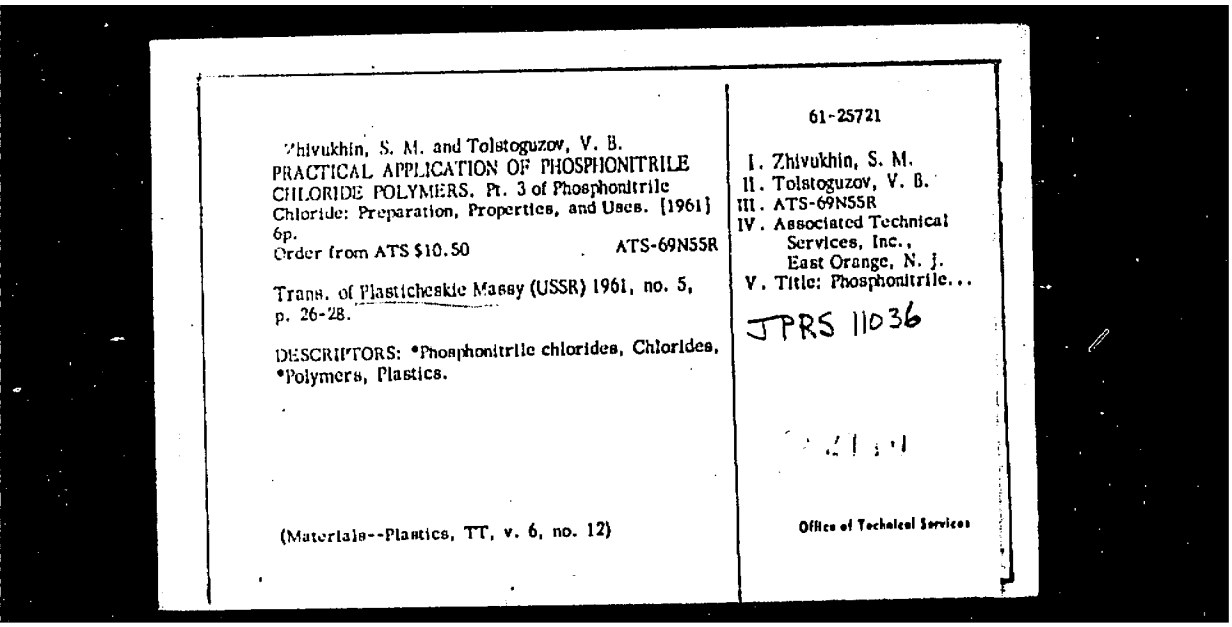
62-10607

I. Zhivuchin, S. M.
II. Tolstoguzov, V. B.
III. Title: Phosphonitrile ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Zhivukhin, S. M. and Tolstoguzov, V. B.
PRACTICAL APPLICATION OF PHOSPHONITRILE CHLORIDE POLYMERS. Pt. 3 of Phosphonitrile Chloride: Preparation, Properties, and Uses. [1961] 6p.
Order from ATS $10.50 ATS-69N55R

Trans. of Plasticheskie Massy (USSR) 1961, no. 5, p. 26-28.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides, *Polymers, Plastics.

(Materials--Plastics, TT, v. 6, no. 12)

61-25721

I. Zhivukhin, S. M.
II. Tolstoguzov, V. B.
III. ATS-69N55R
IV. Associated Technical Services, Inc., East Orange, N. J.
V. Title: Phosphonitrile...

JPRS 11036

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

(SF-1879)

Exhibition of the Achievements of the National Economy of the USSR, by G. O. Tatevos'yan, 8 pp.

RUSSIAN, per, Plasticheskiye Massy, No 5, 1961, pp 72-75.

JPRS 11037

176, 415

Sci - Engr.

Dec 61

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

(SF-1879)

The Dielectric Properties From Pressing Materials, by N. F. Kanavets, L. F. Grigor'yeva, 22 pp.

RUSSIAN, per, Plasticheskiye Massy, No 6, 1961, pp 13-20.

JPRS 10965

Sci - Elect.

176,019

Dec 61

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

(SP-1879)

Results of Tests of Epoxy Resins and Their Application in Repair, by V. A. Bershtein, 17 pp.

RUSSIAN, per, Plasticheskiye Massy, No 6, 1961, pp 34-40.

JPRS 10966

175,675

Sci - Chem

Dec 61

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Preparation of Linear Polyurethanes Without Solvents, by V. V. Korshak, et al. RUSSIAN, per, Plasticheskiye Massey, 1961, No VI, pp 10-11.
NLL 5828.4 1964 (10,551) (On Loan)

Aug 65 286,419

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Concerning the Catalytic Polymerization of Polyorgano=aluminum-siloxanes, by K. A. Andrianov, S. I. Dzhenchel'skaya, Yu. K. Petrashko, 5 pp. UNCL

RUSSIAN, per, Plasticheskiye Massy, No 7, 1961, pp 20-21.

CIA/FDD X-4730

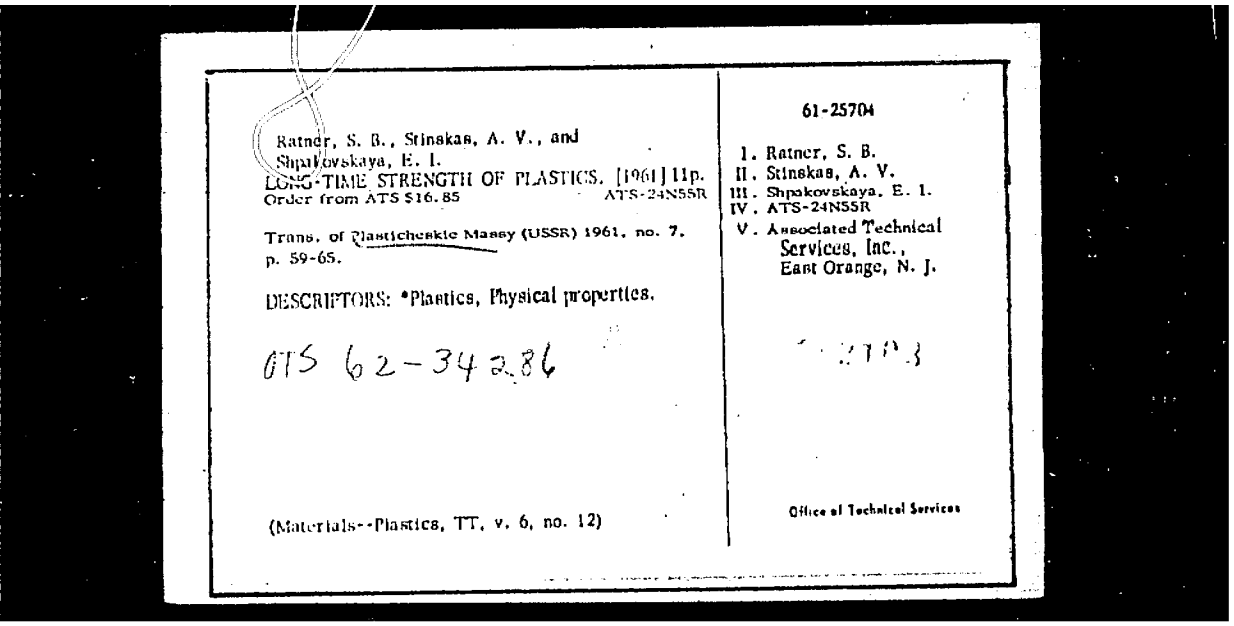
Sci - Chem

Oct 61

169, 522

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Ratner, S. B., Stinskas, A. V., and Shpakovskaya, E. I.
LONG-TIME STRENGTH OF PLASTICS. [1961] 11p.
Order from ATS $16.85 ATS-24N55R

Trans. of Plasticheskie Massy (USSR) 1961, no. 7, p. 59-65.

DESCRIPTORS: *Plastics, Physical properties.

OTS 62-34286

(Materials--Plastics, TT, v. 6, no. 12)

61-25704

I. Ratner, S. B.
II. Stinskas, A. V.
III. Shpakovskaya, E. I.
IV. ATS-24N55R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Polymer Packaging Films, by S. V. Genel', D. V. Konovalova, 7 pp.

RUSSIAN, per, Plasticheskiye Massy, No 8, 1961, pp 43-47.

*ACSI I-8302
ID 2224782

Sci-Chem
19 Mar 63

225,323

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

(SF-1879)

At the Exposition of Achievements in the National Economy USSR, by G. O. Tatevos'yan, 15 pp.

RUSSIAN, per, Plasticheskiye Massy, No 8, 1961, pp 69-75.

JPRS 11386

178453

USSR
Econ
Jan 2 62

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Lokshin, R. F.
WELDING OF THERMOPLASTIC MATERIALS (Svarka Termoplastov). [1963] [20]p. (foreign text included) 17 refs.
Order from OTS or SLA $1.60 63-18290

Trans. of Plast[icheskie] Massy (USSR) 1961, no. 9, p. 30-35.

DESCRIPTORS: *Thermoplastics, *Thermal joining, *Welding, *Bonding, Heaters, Gases, *Heat transfer, *Ultrasonic radiation, *Induction heating, *Infrared radiation, *Friction, *Sintering, *Fillers, Extrusion

A state-of-the-art survey which includes the following topics: General problems; contact welding; welding by heating from a gaseous heat transfer medium; welding in a high-frequency field; ultrasonic welding; welding by infrared heating; friction welding; welding by sintering; and, welding with the aid of an extruded filler. (Materials--Plastics, TT, v. 10, no. 9)

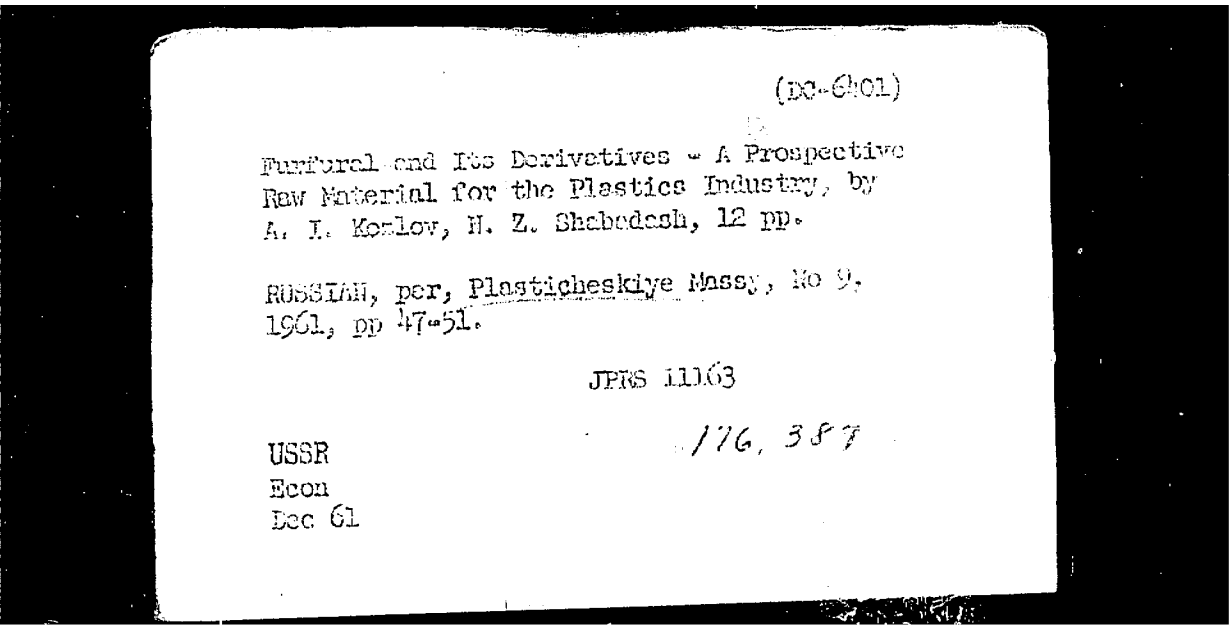
63-18290

I. Lokshin, R. F.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



(DC-6401)

Furfural and Its Derivatives - A Prospective Raw Material for the Plastics Industry, by A. I. Korlov, N. Z. Shabadash, 12 pp.

RUSSIAN, per, Plasticheskiye Massy, No 9, 1961, pp 47-51.

JPRS 11163

176, 387

USSR
Econ
Dec 61

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Tarakanov, O. G. and Gusev, I. G.
THE USE OF THERMISTORS FOR THE DETERMINATION OF MOLECULAR WEIGHTS. 29 Jan 61 [6]p. 5 refs.
Order from OTS or SLA $1.10 62-14987

Trans. of Plasticheskie Massy (USSR) 1961, no. 11, p. 47-48.

DESCRIPTORS: *Molecular weight, Determination, *Thermistors, Polymers, Ethers.

The use of the Müller-Stolten method is promising for the determination of MW of chemical compounds from 200 to 5000. (Author)

(Chemistry--Analytical, TT, v. 8, no. 6)

62-14987

I. Tarakanov, O. G.
II. Gusev, I. G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

OXIDATION OF POLYPROPYLENE AT HIGH OXYGEN PRESSURES, BY V.V. DUDOROV, 11 PP.

RUSSIAN, PER, PLASTICHESKIYE MASSY, NO 12, 1961, PP 3-7.

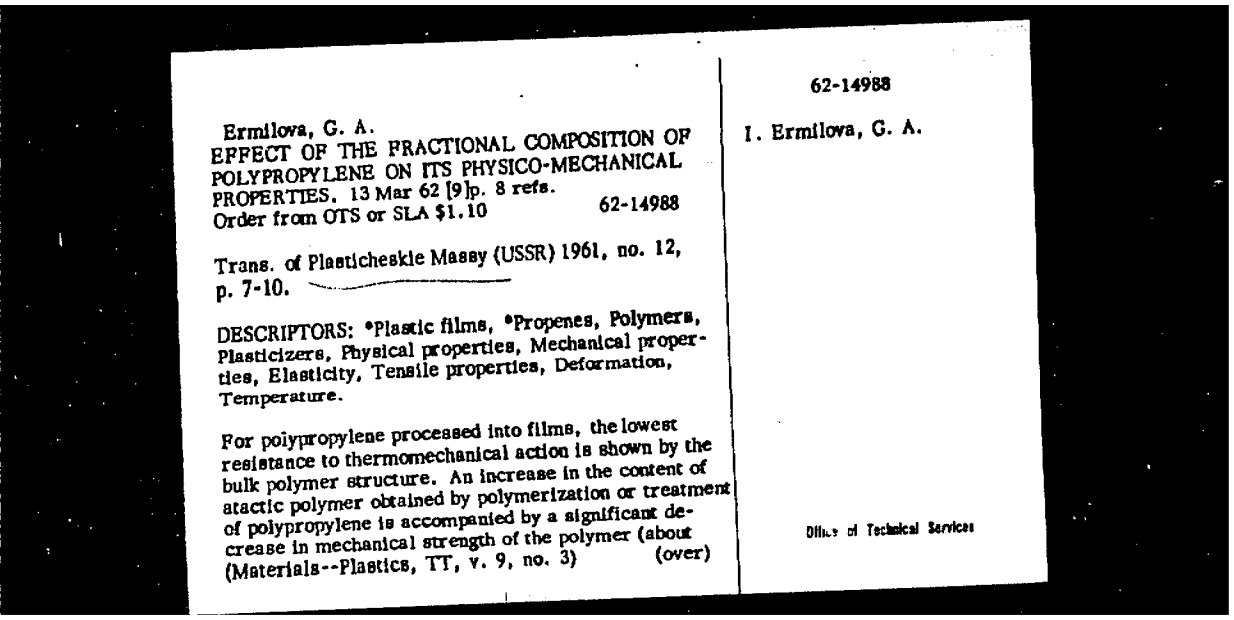
ACSI 1-1644
ID 2203202
SLA 62-34333

SCI-PHYS

14 AUG 62 206,300

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Ermilova, G. A.
EFFECT OF THE FRACTIONAL COMPOSITION OF POLYPROPYLENE ON ITS PHYSICO-MECHANICAL PROPERTIES. 13 Mar 62 [9]p. 8 refs.
Order from OTS or SLA $1.10 62-14988

Trans. of Plasticheskie Massy (USSR) 1961, no. 12, p. 7-10.

DESCRIPTORS: *Plastic films, *Propenes, Polymers, Plasticizers, Physical properties, Mechanical properties, Elasticity, Tensile properties, Deformation, Temperature.

For polypropylene processed into films, the lowest resistance to thermomechanical action is shown by the bulk polymer structure. An increase in the content of atactic polymer obtained by polymerization or treatment of polypropylene is accompanied by a significant decrease in mechanical strength of the polymer (about (Materials--Plastics, TT, v. 9, no. 3) (over)

62-14988

I. Ermilova, G. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

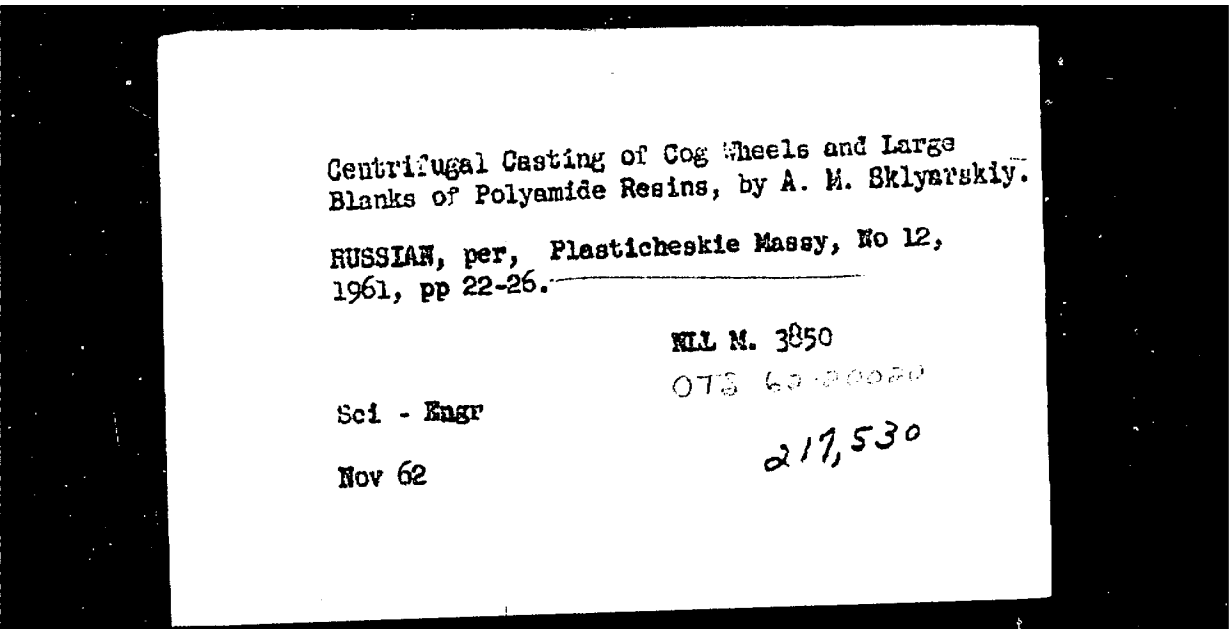
Production of New Types of Ferroplastics on the Base of Carbonyl Powders and Their Electromagnetic Properties., by I.S. Tolmasskii, A.E. Fridenberg. RUSSIAN, per, Plasticheskie Massy, No. 12, 1961, pp 15-19.
NLL/M.5185

Sci -
July 1967

334-678

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Centrifugal Casting of Cog Wheels and Large Blanks of Polyamide Resins, by A. M. Sklyarskiy.

RUSSIAN, per, Plasticheskie Massy, No 12, 1961, pp 22-26.

MIL M. 3850

073 63-00020

Sci - Engr

Nov 62

217,530

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Artificial Infection of Specimens of Plastics Materials With the Spores of Test Fungi for Testing Their Resistance to Microbiological Corrosion, by I. Bomar.

j,

RUSSIAN, sper, Plasticheskie Massy, Vol I, 1962, pp 68-70.

GB/96

Sci-Chem
July 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Kamenskii, I. V., Sanin, I. K., and Korshak, V. V. POLYMERS BASED ON SILICON-CONTAINING FURAN COMPOUNDS: THE SYNTHESIS OF ORTHO SILICIC ACID-FURFURYL ALCOHOL ESTERS. July 62 [5]p. 25 refs.
Order from ICE in v. 2, no. 3, $15.00/year

Trans. of Plast[icheskie] Massy (USSR) 1962, no. 3, p. 8ff.

DESCRIPTORS: Polymers, Plastics, *Furan resins, *Furfuryl alcohols, *Silicic acids, Synthesis, Hardening, *Silanes.

(Materials--Plastics, TT, v. 9, no. 2)

63-12256

I. Kamenskii, I. V.
II. Sanin, I. K.
III. Korshak, V. V.
IV. Title: Synthesis ...
V. International Chemical Engineering, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Tatevos'yan, G. O. and Kuznetsova, I. B.
WEATHER RESISTANCE OF FILM MATERIALS.
[1962] 13p.
Order from ATS $15.85 ATS-57P61R

Trans. of Plasticheskie Massy (USSR) 1962, no. 3, p. 44-51.

DESCRIPTORS: *Films, *Materials, Plastics, Meteorology, Resistance, *Weatherproofing.

(Materials--Plastics, TT, v. 8, no. 4)

62-17698

I. Tatevos'yan, G. O.
II. Kuznetsova, I. B.
III. ATS-57P61R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Polymerization of BIS (2-Chloroethyl) Vinylphosphonate
by V. A. Orlov, O. G. Tarakanov, 6 pp.

RUSSIAN, per, Plasticheskiye Massy, No 4, 1962,
pp 6-8.

Navy Tr 3415/BuShips 816

Sci - Chem
Jul 63

235,747

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Organosilicon Compounds Containing Phosphorus, by by M. zA. Galashina, M. V. Sobolevskiy, 9 pp.

RUSSIAN, per, Plasticheskiye Massy, No 4, 1962, pp 16-19.

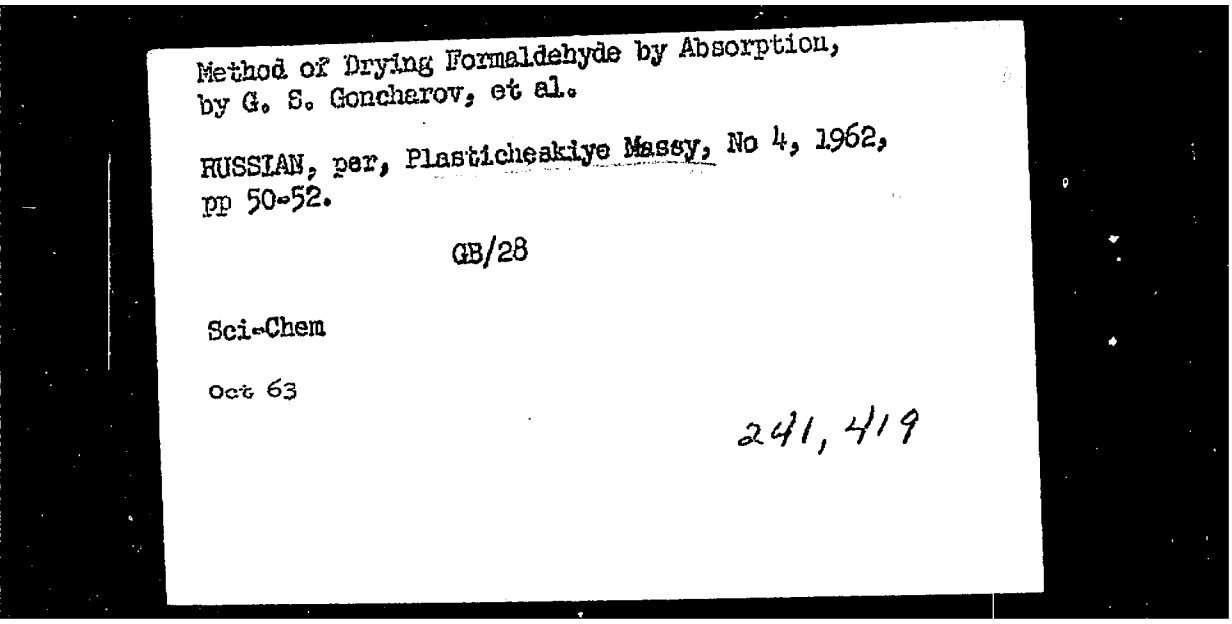
Navy Tr 3416/BuShips 817

Sci - Chem
Jul 63

235,748

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Method of Drying Formaldehyde by Absorption,
by G. S. Goncharov, et al.

RUSSIAN, per, Plasticheskiye Massy, No 4, 1962,
pp 50-52.

GB/28

Sci-Chem

Oct 63

241,419

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Artificial Infection of Specimens of Plastics Materials With the Spores of Test Fungi for Testing Their Resistance to Microbiological Corrosion, by I. Bomar.

RUSSIAN, sper, Plasticheskie Massy, Vol I, 1962, pp 68-70.

GB/96

236,322

Sci-Chem
July 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

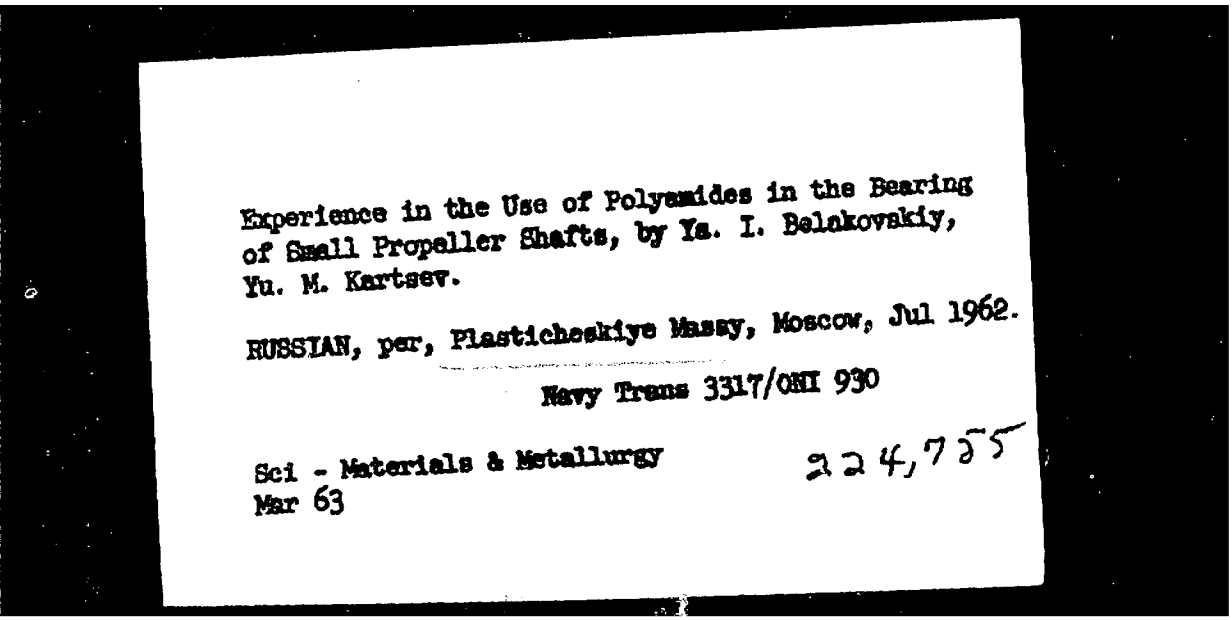
APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Gas-Phase Method of Synthesising Poly-oxamides, by L.V. Sokolov.
RUSSIAN, per Plast.Massy, No. 5, 1962, pp 45-47
GB 256/T. 1658

Sci -
Aug 67 338-393

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1



Experience in the Use of Polyamides in the Bearing of Small Propeller Shafts, by Ya. I. Belakovskiy, Yu. M. Kartsev.

RUSSIAN, per, Plasticheskiye Massy, Moscow, Jul 1962.

Navy Trans 3317/ONI 930

Sci - Materials & Metallurgy
Mar 63

224,755

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

63-18356

Kolobov, E. I.
CONTRACTION OF ORIENTED POLYMERS DURING ANNEALING. [1963] 6p. 5 refs.
Order from OTS or SLA $1.10 63-18356

Trans. of Plasticheskie Massy (USSR) 1962, no. 6, p. 62-63.

DESCRIPTORS: *Plastic films, *Polyethylene plastics, *Halocarbon plastics, Fluorocarbons, Heat treatment, *Annealing, Physical properties, *Crystal structure, Transformations.

At each temperature, there is a definite amount of isothermal contraction in the crystalline polymer which was stretched at a lower temperature until a neck was formed in the direction of the fiber length. The isothermal contraction of stretched crystalline polymers increases with increasing temperature. The increase in the isothermal contraction with increasing temperature can be interpreted as a result of the irreversible decrease in the degree of oriented crystallinity. (Author)

1. Kolobov, E. I.

(Materials--Plastics, TT, v. 10, no. 9)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Alishoev, V. R., Neiman, M. B., and Kovarskaya, B. M.
THERMO-OXIDATIVE DESTRUCTION AND STABILIZATION OF POLYFORMALDEHYDE. [1963] 10p
11refs
Order from OTS or SLA $1.10 63-18650

Trans. of [Plasticheskie Massy] (USSR) 1962, no. 7, p. 11-14.

DESCRIPTORS: *Formaldehyde, *Polymers, Stabilization, Pyrolysis, Oxidation, Heating, Mechanical properties, Reaction kinetics.

The thermo-oxidative destruction of polyformaldehyde is an auto-accelerating chain reaction. Branch formation during the oxidation of polyformaldehyde is not related to the disintegration of hydrogen peroxide. A series of anti-oxidants significantly increases the
(Materials--Plastics, TT, v. 10, no. 10) (over)

63-18650

I. Alishoev, V. R.
II. Neiman, M. B.
III. Kovarskaya, B. M.

K-H -13327-a

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Bonding of Foam Plastics by Means of High-Frequency Heating, by L. M. Koval'chuk, 10 pp.

RUSSIAN, per, Plasticheskiye Massy, No 7, 1962, pp 32-35. 9689437

DDC RSIC-85

Sci - Engr, M/M
Dec 63

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

L'vov, B. S., Koltunov, M. A. and others.
PHYSICO-MECHANICAL CHARACTERISTICS OF GLASS PLASTICS BASED ON A POLYESTER RESIN: ELASTIC CONSTANTS OF GLASS PLASTICS.
12 Oct 62, 7p. 2 refs.
Order from OTS or SLA $1.10 63-10094

Trans. of Plasticheskie Massy (USSR) 1962, no. 8, p. 38-40.

DESCRIPTORS: *Polyester plastics, *Glass textiles, Stresses, Deformation, Elasticity, Laminates, Polymers.

(Materials--Plastics, TT, v. 9, no. 11)

63-10094

I. L'vov, B. S.
II. Koltunov, M. A.
III. Title: Elastic...

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Gunder, O. A. and Livshits, I. M.
AN INVESTIGATION INTO THE BEST CONDITIONS FOR THE HEAT TREATMENT OF POLYCAPROLACTAM COMPONENT PARTS. [1963] 8p.
Order from ATS $8.50 ATS-75Q70R

Trans. of Plasticheskie Massy (USSR) 1962, no. 9, p. 24-28.

DESCRIPTORS: *Lactams, *Plastics, *Polymers, *Heat treatment.

(Materials--Plastics, TT, v. 10, no. 9)

63-22178

1. Title: Caprolactams
2. Title: Polycaprolactams
I. Gunder, O. A.
II. Livshits, I. M.
III. ATS-75Q70R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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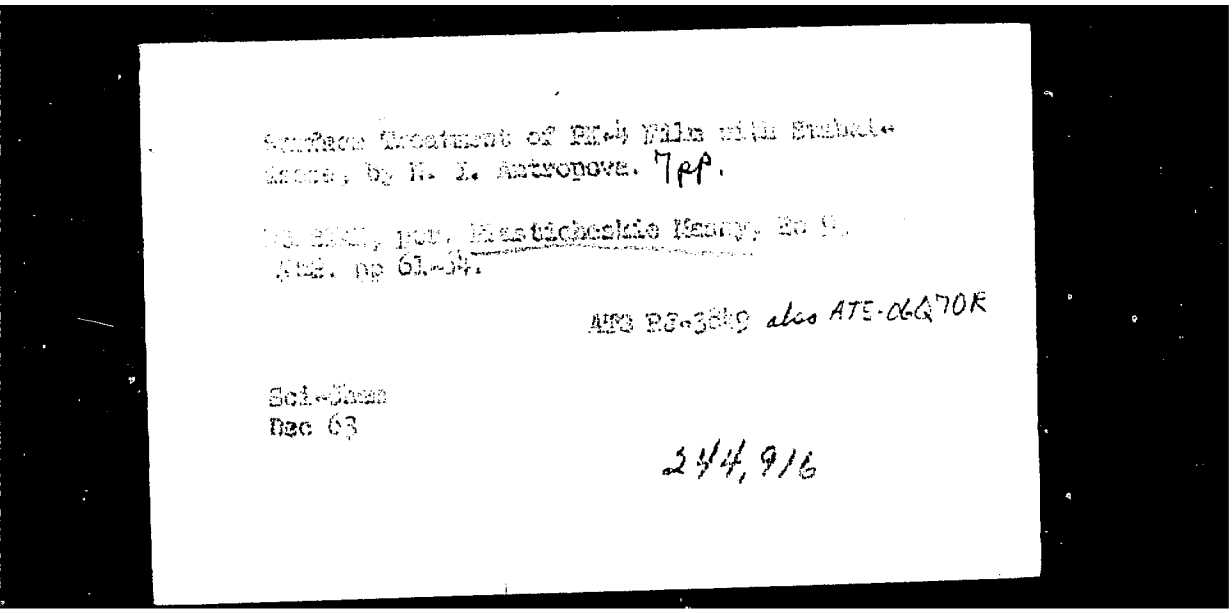

Surface treatment of Zr-4 fuels with Zr-Nb-O...
Zaitsev, by N. I. Antropova. 7pp.

...Tr. Sb., Inst. Reaktivelektro Metal., No. 9.
Atd. pp 61-64.

AEC tr-3849 also ATS-66470R

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Dec 63

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Certain Questions Relating to the Theory of the Welding of Plastics by Ultrasound, by L. N. Shamshurov, 10 pp.

RUSSIAN, per, Plasticheskiye Massy, No 11, 1962, pp 33-35. 9683262

FTD-TT-63-559

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Some Methods for the Evaluation of Plastic Lining Materials in Relation to Aggressive Liquids, by N. S. Tikhomirova, K. I. Zernova, et al, 11 pp. RUSSIAN, per, Plasticheskiye Massy, No 12, 1962 pp 40-45. 9523522
AEC-ANL-Tr-15

Sci-Mat & Met
Aug 64

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Behavior of Polyethylene Under Stress in Some Aggressive Media, by N. A. Bokshitskaya. RUSSIAN, per, Plasticheskie Massy, No 12, 1962, pp 58-62.
NTC-71-15642-11I

Feb 72

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Thermal Properties and Measuring the Thermal Expansion, Heat Capacity, and Thermal Conductivity of Polymers, by G. M. Bartenev, Yu. A. Gorbatkina, 14 pp.
RUSSIAN, per, Plasticheskiye Massy, No 1, 1963, pp 56-64. 921320 → Put on dots!

*AEC - SCL-T-484

Sci - Phys

May 63

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SCL-T-487

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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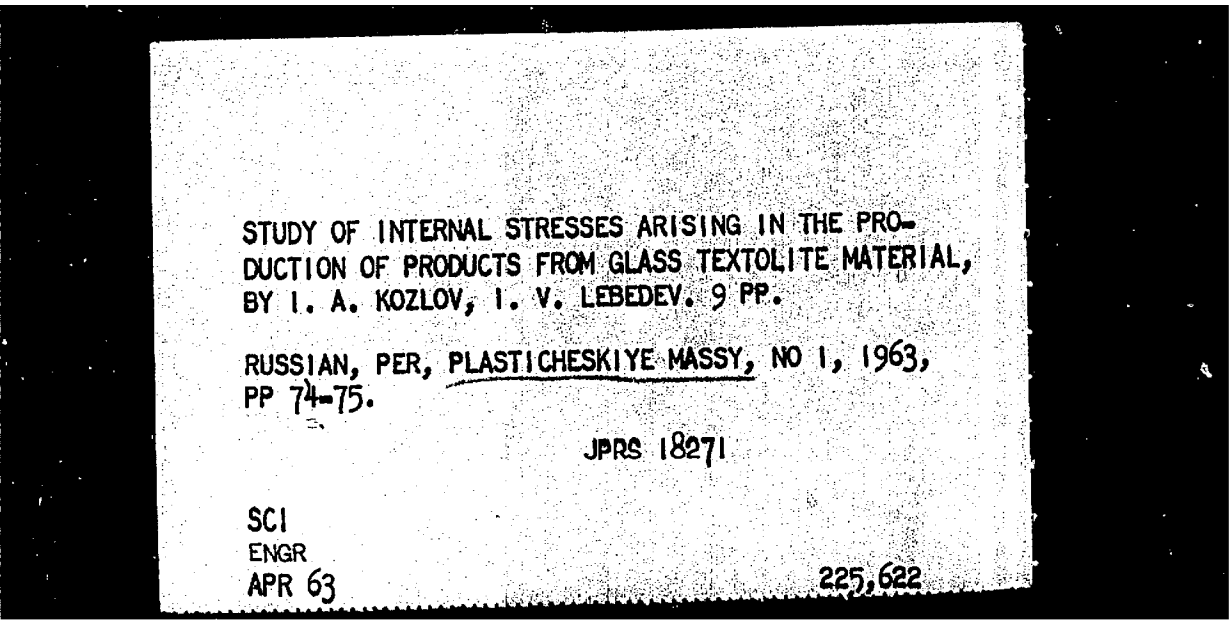

STUDY OF INTERNAL STRESSES ARISING IN THE PRODUCTION OF PRODUCTS FROM GLASS TEXTOLITE MATERIAL, BY I. A. KOZLOV, I. V. LEBEDEV. 9 PP.

RUSSIAN, PER, PLASTICHESKIYE MASSY, NO 1, 1963, PP 74-75.

JPRS 18271

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

EQUIVALENT TERMS (PROPOSED) IN THREE LANGUAGES, PROPOSED BY TECHNICAL COMMITTEE 61 (PLASTICS) OF ISO (INTERNATIONAL COMMITTEE ON STANDARDIZATION) FOR USE IN THE FIELD OF CHEMISTRY AND THE TECHNOLOGY OF PLASTICS, 10 PP.

RUSSIAN, PER, PLASTICHESKIYE MASSY, [illegible] NO 1, 1963, PP 78-80.

JPRS 18271

SCI
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APR 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

Veselovskii, P. F. and Vorob'eva, E. P.
THE DIELECTRIC PROPERTIES OF SPATIAL COPOLYMERS OF STYRENE. July 63, 6p. 12 refs.
Order from ICE in v. 3, no. 3, $15.00/year

Trans. of Plasticheskie Massy (USSR) 1963, no. 2, p. 6-11.

DESCRIPTORS: Chemical engineering, *Dielectric properties, *Copolymerization, *Styrene plastics, Organic compounds.

(Chemistry--Organic, TT, v. 10, no. 7)

63-17889

I. Veselovskii, P. F.
II. Vorob'eva, E. P.
III. International Chemical Engineering, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Medvedeva, F. M. and Andrianova, N. A.
THE PREPARATION OF MIXED POLYESTERS OF ETHYLENE GLYCOL WITH 2,5-FURAN DICARBOXYLIC AND TEREPHTHALIC ACIDS. Aug 63.
Order from TTIS $3.60 TTIS NS 115

Trans. of Plasticheskie Massy (USSR) 1963, no. 2, p. 14-15.

DESCRIPTORS: *Phthalic acids, *Carboxylic acids, *Glycols, *Ethylenes, Esters, Polymers, Polyester plastics, Synthesis (Chemistry).

(Materials--Plastics, TT, v. 10, no. 10)

63-22270

1. Title: 2,5Furan dicarboxylic acids
2. Title: Terephthalic acids
I. Medvedeva, F. M.
II. Andrianova, N. A.
III. TTIS NS-115
IV. Translation and Technical Information Services (Gt. Brit.)

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Kamenskii, I. V., Vorob'ev, V. P. and others.
POLYMERS ON THE BASIS OF THE CONDENSATION PRODUCTS OF FURFUROL WITH ACETONE. 8p. 4 refs.
Order from OTS or ETC $0.80 63-27149

Trans. of Plasticheskie Massy (USSR) 1963, no. 3, p. 17.

DESCRIPTORS: *Furfuryl alcohols, *Acetones, Condensation reactions, *Polymers.

(Materials--Plastics, TT, v. 10, no. 10)

63-27149

I. Kamenskii, I. V.
II. Vorob'ev, V. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Study of Properties & Possibilities for Using Boron- Silicon-Organic Polymers as Components of Heat-Resisting Adhesives (Glues), by V. D. Solodovnik, A. B. Davydov.

RUSSIAN, per, Plasticheskiye Massy, No 3, 1963, pp 39-42.

[illegible] TT-

Sci - M/M
Sep 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Reduction of Moisture Absorption of Capron Parts, by O. A. Gunder and A. N. Lysykh. RUSSIAN, per, Plasticheskie Massy, No 4, 1963, pp 70-72.
NTC 71-13806-11I

Feb 72

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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Zhivukhin, S. M. and Tolstoguzov, V. B.
THE PRODUCTION AND USE OF PHOSPHONITRILE CHLORIDES AND THEIR DERIVATIVES. [1963] [13p] 65refs
Order from OTS, SLA, or ETC $1.60 TT-63-20621

Trans. of Plasticheskie Massy (USSR) 1963, no. 5, p. 24-27.

DESCRIPTORS: *Phosphonitriles, *Chlorides, Industrial production, Polymers, Plastics, Condensation reactions, Heat resistant plastics, Stability, Chemical properties.

A survey of the literature.

(Materials--Plastics, TT, v. 11, no. 3)

TT-63-20621

I. Zhivukhin, S. M.
III. Tolstoguzov, V. B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950078-1

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The Nature of Polyamide Destruction During Contact Stresses, by Ye. A. Fedorchuk, 7 pp. RUSSIAN, per, Plasticheskiye Massy, No 5, 1963, pp 56-58. 9692722
FTD-TT-64-126

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Synthesis of Polymeric Polydioxyarylene-Phosphonitrylates, by S. M. Zhivukhin, V.B. Tolstoguzov, 13 pp.
RUSSIAN, per, Plasticheskiye Massy, No 7, 1963, pp 24-28. 9692167
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Sci - Phys
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Li, P. Z., Mikhailova, Z. V., and Kaganova, E. L.
THE HARDENING OF UNSATURATED CHLORINE-CONTAINING POLYESTER RESINS BY BENZOYL PEROXIDE-TERTIARY AMINE REDOX SYSTEMS.
1 Nov 63 [8p] 9refs
Order from OTS, SLA, or ETC $1.10 TT-64-10719

Trans. of Plasticheskie Massy (USSR) 1963, no. 8, p. 13-16.

(Materials--Plastics, TT, v. 12, no. 2)

TT-64-10719

I. Li, P. Z.
II. Mikhailova, Z. V.
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Office of Technical Services

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TT-64-10718

Tarasov, A. I. and Spasskii, S. S.
COPOLYMERS OF POLY(1, 3-BUTANEDIOL FUMARATE) WITH METHYL METHACRYLATE AND BUTYL VINYL ETHER. 31 Oct 63 [7p] 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-10718

Trans. of Plasticheskie Massy (USSR) 1963, no. 8, p. 20-22.

(Chemistry--Organic, TT, v. 12, no. 2)

I. Tarasov, A. I.
II. Spasskii, S. S.

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Kaazvets, I. F. and Klaz, S. I.
A METHOD FOR DETERMINING THE RHEOLOGICAL PROPERTIES OF POLYMERS. Apr 64, 7p 12refs
Order from ICE $15.00/year in International Chemical Engineering, 1964, v. 4, no. 2, p. 230-236

Trans. of Plasticheskie Massy (USSR) 1963, no. 8, p. 27-33.

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-22217-2 (p. 230-236)

I. Kaazvets, I. F.
II. Klaz, S. I.
III. International Chemical Engineering, New York

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Method for Purifying, and Controlling the Degree of Purity of, Methyl Methacrylate, by I. V. Shelepin, G. M. Dugacheva, L. A. Chervoneva, A. G. Anikin, A. I. Fedorova, 5pp.
RUSSIAN, per, Plasticheskie Massy, No 9, 1963, pp 50-51.
CFSTI TT-64-18487.

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Sci - Materials
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Zlatina, S. A. and Levin, A. N.
PRODUCTION OF CHEMICALLY HOMOGENEOUS COPOLYMERS. Apr 64, 6p 32refs
Order from ICE $15.00/year in International Chemical Engineering, 1964, v. 4, no. 2, p. 307-312

Trans. of Plasticheskie Massy (USSR) 1963, no. 10, p. 3-7.

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-22217-2(p. 307-312)

I. Zlatina, S. A.
II. Levin, A. N.
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S-224/64

Shallow-Draft Plastic Launch, by V. P. Smirnov, N. A. Sosunov. SF-3032

RUSSIAN, per, Plasticheskiye Massy, No 1, 1964, pp 71-72.

Sci-Chem
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Thermoreactivity of Resins From Fundamental Divinyl Polymers, by V. N. Gorbunov, A. G. Magibina, 5 pp.
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Mechanism of Viscous Flow of Linear Polymers, by G. M. Bartenev. 18p RUSSIAN, per, Plasticheskie Massy, Vol 12, 1964, pp 20-26.
TC-1018

Sci-Materials
Oct 66 313,229

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Radiation Polymerization of Ethylene in Scaled-up Laboratory Apparatus, by A.D. Abkin, A.L. Auer, et al.
RUSSIAN, per, Plasticheskiye Massy, No 2, 1964, pp 3-6. 9252407
AEC BNL-Tr-59

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R-5387-D

Flexible Tanks Made of Nylon Fabric, Plasticheskiye Massy, No 2, 1964, pp 72-73, 2 pp

Russian

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Fast-Hardening Core Mixtures, by N. N. Oster-Volkov. 6p.
RUSSIAN, per, Plasticheskie Massy, No 3, 1964, pp 61-62.
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Sci-Materials
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Continuous Production of Phenol-Formaldehyde Novolak Resins, by V. M. Demkin, 11 pp.
RUSSIAN, per, Plasti Massy, No 4, 1964, pp 14-20.
ATS-09R77R

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Polishing of Polymethyl Methacrylate by
a Propane-Oxygen Flame, by Yu. A. Kalachev
RUSSIAN, per, Plasticheskie Massy, No 5,
1964, p 61
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mar 72

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Wear Resistance of Polyformaldehyde in Sleeve Bearings, by V. N. Kestel'man, D. I. Fel'dman, 5 pp.
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FTD-TT-65-329

Sci - M/M
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Strength of Glass Plastics and Its Dependence Upon the Change in Wetting Angle With Binding of Water Proofed Glass Fibers, by Ye. B. Trostyanskaya, A. M. Poymanov, et al, 11 pp.
RUSSIAN, per, Plasticheskiye Massy,
No 8, 1964, pp 20-23. 9698029
FTD-TT-65-319

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Physicomechanical Antifriction Properties of Teflon Materials, by S. N. Ganz, et al RUSSIAN, per, Plasticheskiye Massy, No 8, 1964, pp 28-31.
*FTD-TT-65-1895

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Mechanical and Friction Properties of
Polyamide and Polyethylene Coatings,
by A. A. Kut'kov, D. T. Avdeyev, 5 pp.
RUSSIAN, per. Plasticheskiye Massy,
No 8, 1964, pp 31-33. 9698029
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The Use of Plastics for Water Shut-Off in Oil Wells, by E. N. Umrikhina, etal, RUSSIAN, per, Plast. Massy, No 8, 1964, pp 36-40.
ATS RJ-4513

Sci-Mech,
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Selection and Application of Silicone Fluids to Decrease the Adhesion of Plastics to Solid Surfaces, by L. M. Vinogradova, A. Ya. Korolev, 7 pp. RUSSIAN, per, Plasticheskiye Massy, No 9, 1964, pp 18-20. 9698626 FTD-TT-65-909

Sci - M/M
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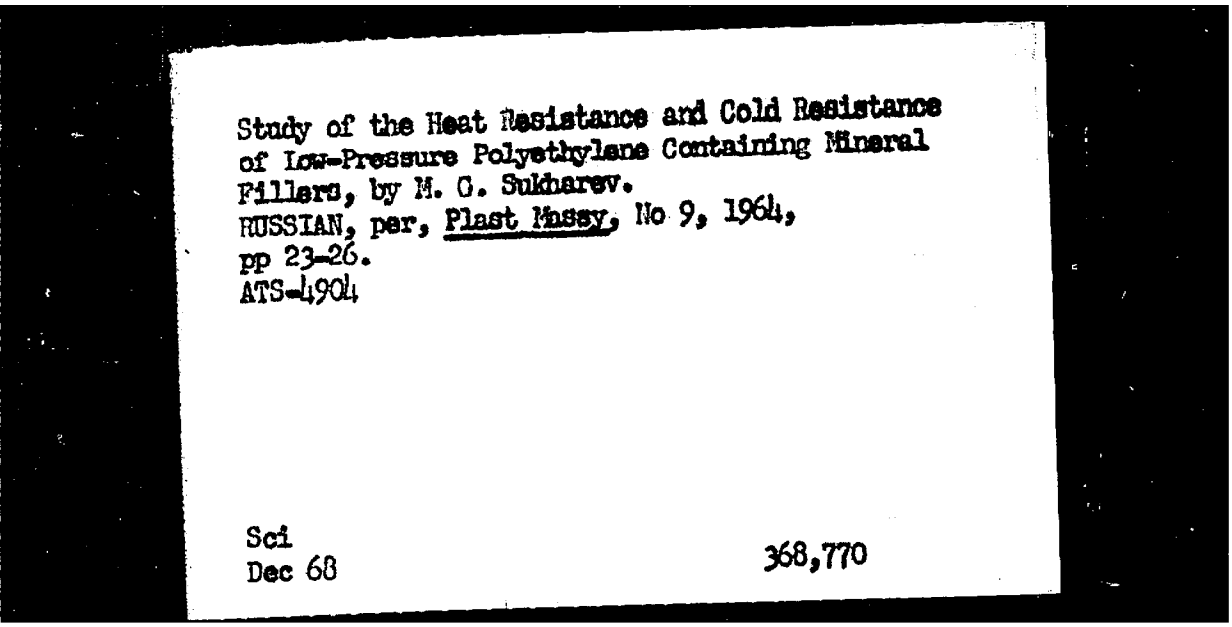

Study of the Heat Resistance and Cold Resistance of Low-Pressure Polyethylene Containing Mineral Fillers, by M. G. Sukharev.
RUSSIAN, per, Plast Massy, No 9, 1964, pp 23-26.
ATS-4904

Sci
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The Affect of Low Temporatures on the Antifriction Properties of Polycaprolactam, by Yu. A. Yevdokimov, A. F. Kotenko, 5 pp.
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Investigation of the Kinetics of Urethane Formation on the Basis of Changes in the Specific Volumetric Resistance of the Reacting System, by B. A. Fomenko.
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NTC-71-16175-11I

Jan 72

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ATS RJ-4924

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Feb 69

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M. M. Kotom. 39 pp.
RUSSIAN, per, Plasticheskiye Massy, No 11,
1964, pp 1-9. 9699943
FTD-TT-65-936/1+2

Sci/M&M
Apr 66

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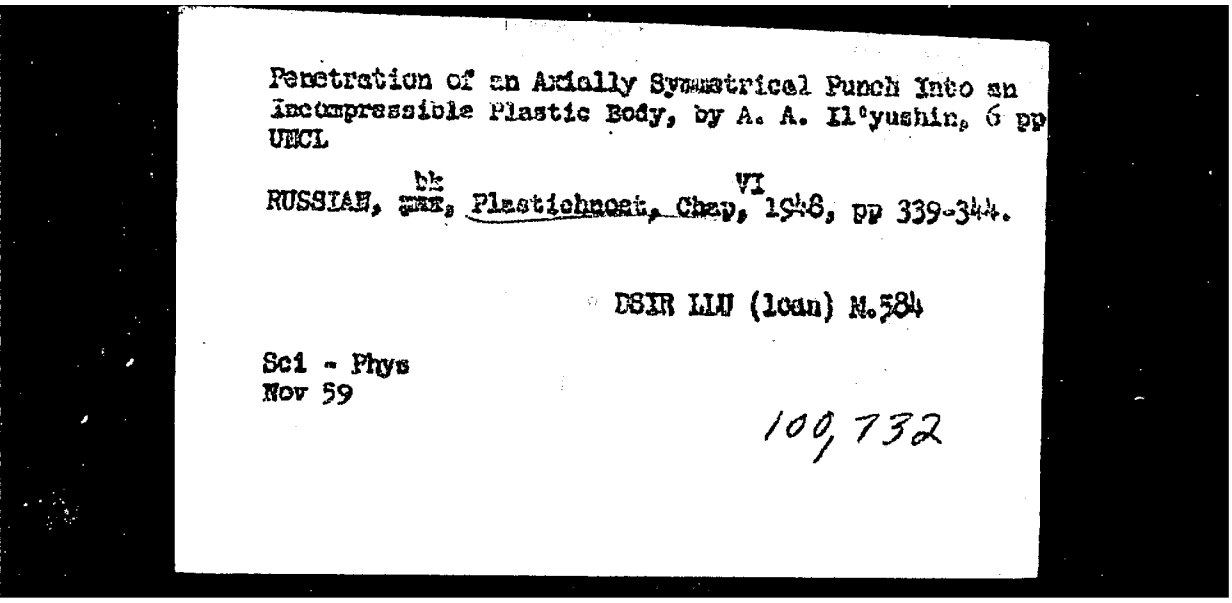

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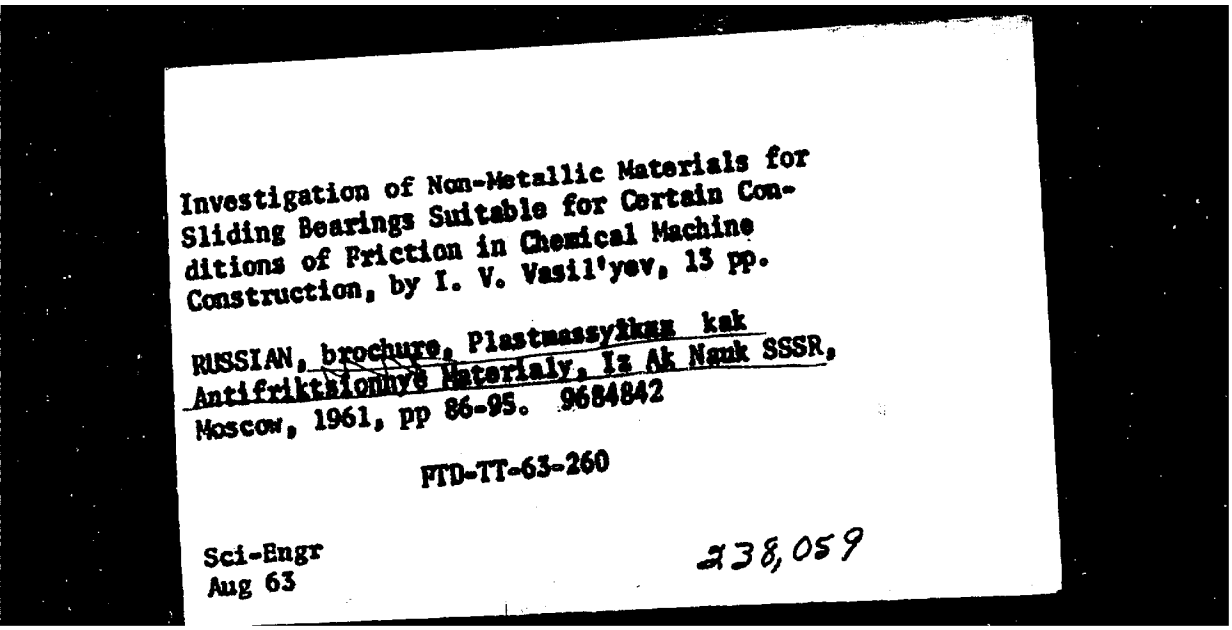

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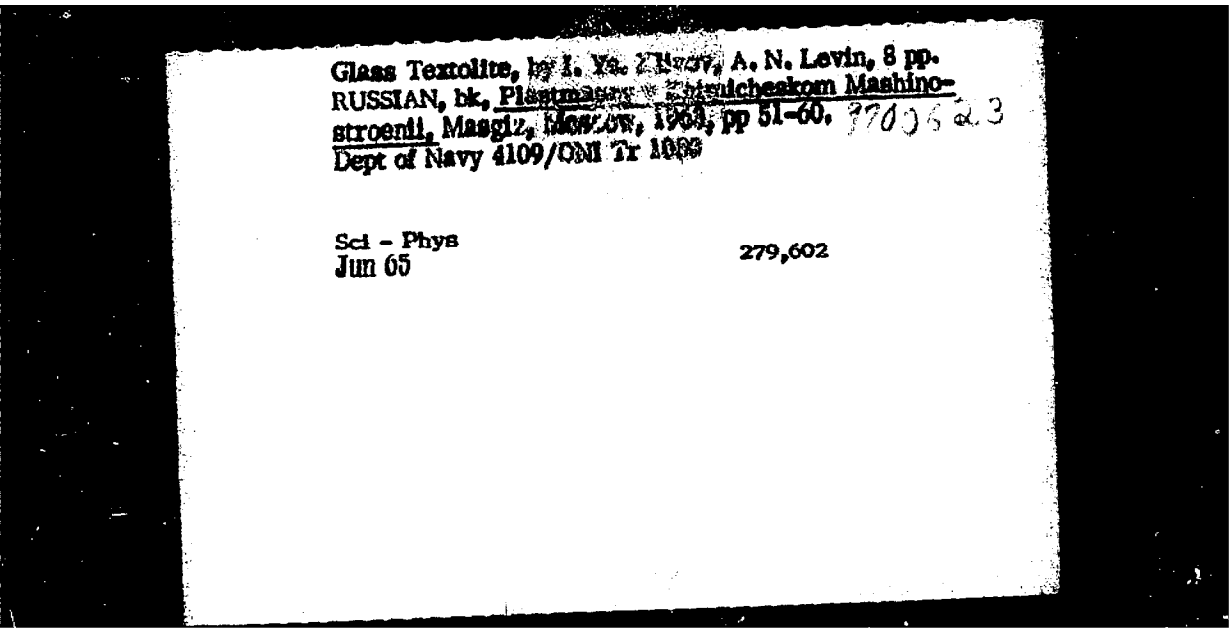

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